



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera](http://www.miamidade.gov/pera)

**M.Q. Windows, Inc.**  
**1855 Griffin Road, Suite A-271**  
**Dania, FL 33004**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "JS" Unclipped, Steel Reinforced Wood Mullion - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. MQJS-NOA1, titled "JS Series Unclipped Mullion Miami Dade County", sheets 1 through 9 of 9, dated 01/10/99, with revision dated 07/14/01, prepared by manufacturer, signed and sealed by Scott Wolters, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large Missile and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with M.Q. Windows, Inc. or M.Q. Windows, Inc. logo, Ste-Agathe des Monts, Quebec, Canada, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 07-1203.14 and consists of this page 1 and evidence pages E-1 and E-2; as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



*Handwritten signature and date: 5/3/12*

NOA No. 12-0222.08  
Expiration Date: December 12, 2012  
Approval Date: April 26, 2012  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**


1. Manufacturer's die drawings and sections.
2. Drawing No **MQJS-NOA1**, titled "JS Series Unclipped Mullion Miami Dade County", sheets 1 through 9 of 9, dated 01/10/99, with revision dated 07/14/01, prepared by manufacturer, signed and sealed by Scott Wolters, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per PA 202-94  
2) Uniform Static Air Pressure Test, Loading per PA 202-94  
3) Water Resistance Test, per PA 202-94  
4) Large Missile Impact Test per PA 201-94  
5) Cyclic Wind Pressure Loading per PA 203-94  
6) Forced Entry Test, per PA 202-94  
along with marked-up drawings and installation diagram of mulled JS series wood doors and windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0118-1103-98**, dated from 11/04/98 to 11/17/98, signed and sealed by Timothy S. Marshall, P.E.  
*(Submitted under NOA# 02-1018.02)*
2. Test reports on: 1) Large Missile Impact Test per PA 201-94  
2) Cyclic Wind Pressure Loading per PA 203-94  
along with marked-up drawings and installation diagram of mulled JS series wood doors and windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0118-1106-98**, dated from 10/15/98 to 11/12/98, signed and sealed by Timothy S. Marshall, P.E.  
*(Submitted under NOA# 02-1018.02)*
3. Test reports on: 1) Large Missile Impact Test per PA 201-94  
2) Cyclic Wind Pressure Loading per PA 203-94  
along with marked-up drawings and installation diagram of mulled JS series wood doors and windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0118-1218-98**, dated from 01/05/99 to 01/06/99, signed and sealed by Timothy S. Marshall, P.E.  
*(Submitted under NOA# 02-1018.02)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2010, dated May 1<sup>st</sup>, 2012, prepared by Wolters Engineering, Inc., signed and sealed by Scott Wolters, P.E.
2. Glazing complies with ASTM E1300-04

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 12-0222.08  
Expiration Date: December 12, 2012  
Approval Date: April 26, 2012

**M.Q. Windows, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

**E. MATERIAL CERTIFICATIONS**


1. None.

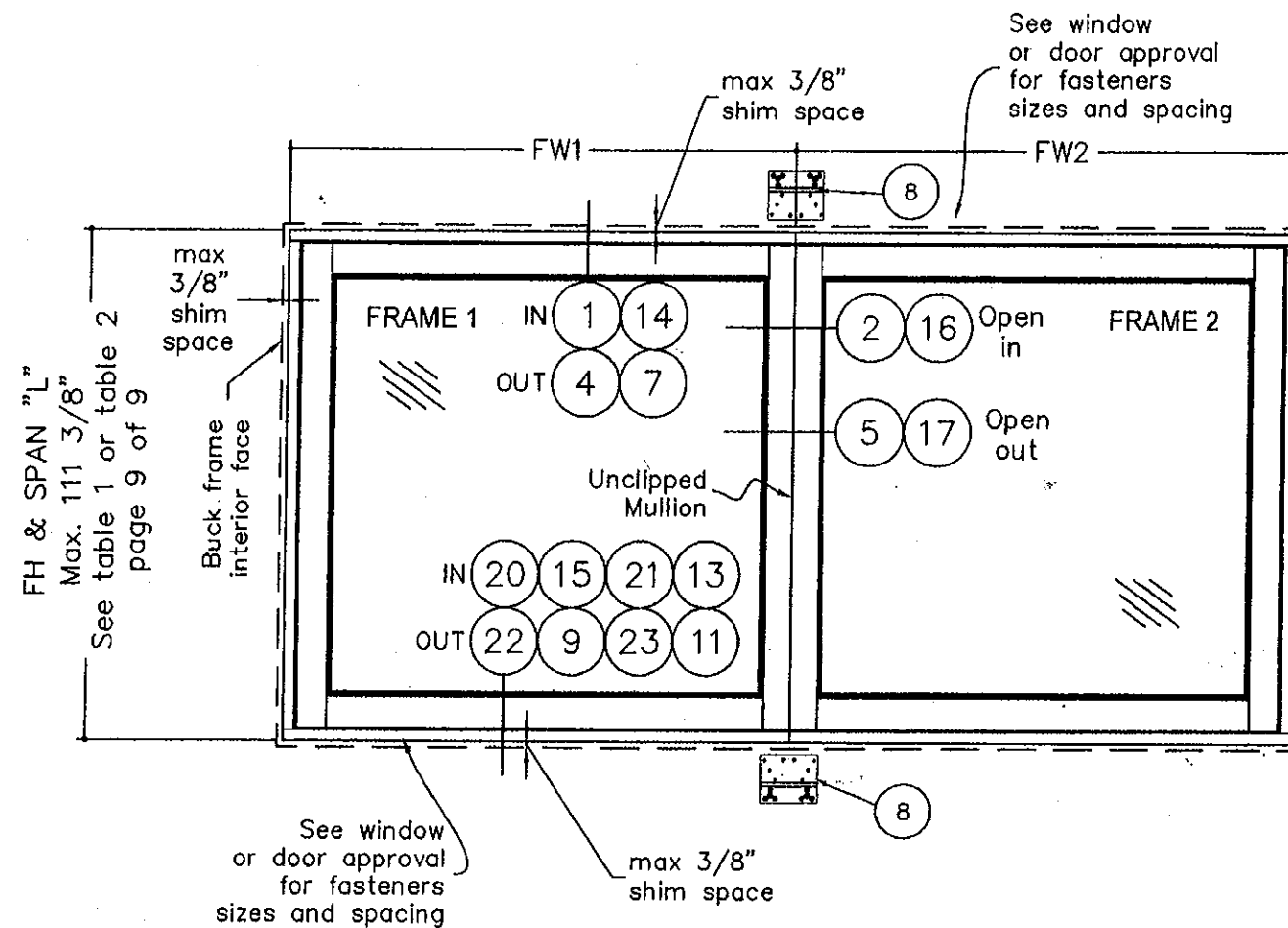
**F. STATEMENTS**

1. Statement letter of conformance, complying with FBC-2010, dated February 15, 2012, signed and sealed by Scott Wolters, P.E.
2. Statement letter of conformance, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0118-1218-98**, dated 01/06/1999, signed and sealed by Timothy S. Marshall, P.E.  
*(Submitted under previous NOA No. 07-1203.14)*

**G. OTHER**

1. Notice of Acceptance No. **07-1203.14**, issued to M.Q. Windows, Inc. for their "Series JS Unclipped Steel Reinforced Wood Mullion – L.M.I.", approved on 01/03/08 and expiring on 12/19/12.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 12-0222.08  
Expiration Date: December 12, 2012  
Approval Date: April 26, 2012



**DESIGN PRESSURE**

Positive Pressure: +58 psf  
Negative Pressure: -68 psf

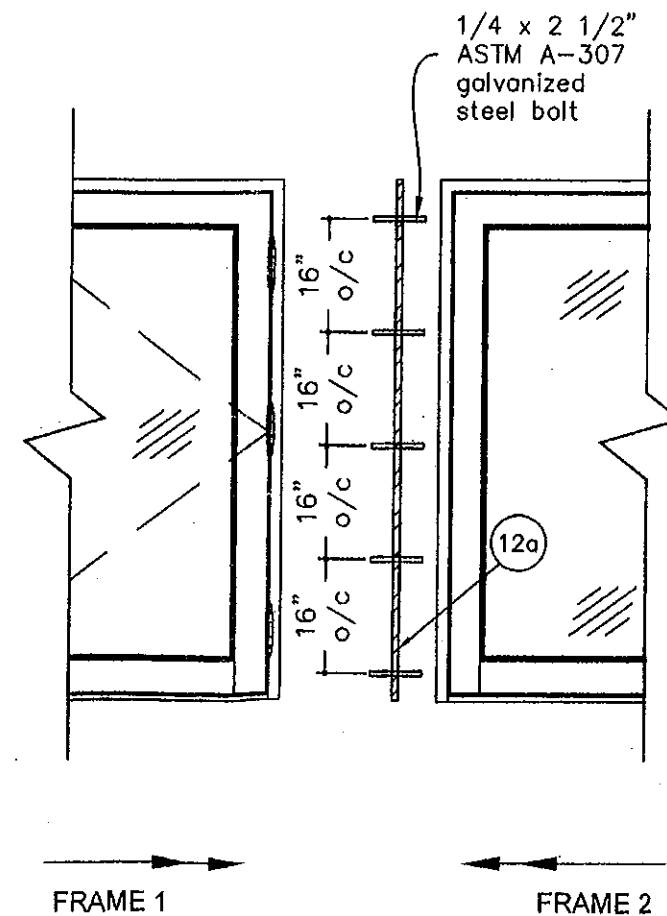
NOTE: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.

NOTE: This unit will not need a hurricane protective system.

**UNCLIPPED MULLION  
VERTICAL INSTALLATION  
INSIDE/OUTSIDE  
CONFIGURATION**

VIEWED FROM THE  
OUTSIDE  
WOOD: Mahogany

LEGEND:  
FW: FRAME SIZE, WIDTH  
FH: FRAME SIZE, HEIGHT



**BRACKET CONNECTIONS:**

Installation Bracket  
PDF-JSMI-05D for inswing;  
PDF-JSMO-05D for outswing

**CONNECTION TO THE  
WINDOW/DOOR FRAME:**

AT HEAD: DETAILS NO 1, 14 & 4, 7;  
AT SILL, DETAILS NO 20, 15 & 22, 9;  
Screwed to the WOOD FRAME using 6x #10 x 1" wood screws. Min. embedment is 7/8"; and 2x #12 x 1 3/4" FH wood screw. Min. embedment is 1 1/2".

AT SILL DETAILS NO 21, 13 & 23, 11;  
Screwed to the aluminum or bronze threshold using 6x 10-24 x 5/8" sheet metal screws.

**CONNECTION TO THE  
STRUCTURE**

**2 x PT WOOD BUCK:**  
Screwed to the BUCK FRAME using 6x #12 x 1 1/2" wood screws. Min. embedment is 1 1/4".

**1 x PT WOOD BUCK:**  
Screwed to the MASONRY using 3 x 1/4" x 2 1/4" SS410 Tapcon screws. Min. embedment is 1 1/4". Min. edge distance is 3".

**MAXIMUM SHIM SPACE: 3/8"**

**THESE INSTALLATION  
PATTERNS APPLIES TO THE  
MULLION CONNECTIONS TO  
THE BUILDING ONLY**

**NOTE - THE 33% STRESS  
INCREASE FOR SHORT  
TERM LOADING HAS  
NOT BEEN USED IN THE  
DESIGN OF THIS PRODUCT.**



**JS SERIE  
UNCLIPPED MULLION  
MIAMI DADE COUNTY**

Drawing no.: MQJS-NOA1

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 07/14/01
File: DJS-M9801	Page: 1 / 9

**STRUCTURALLY REVIEWED BY:**

*Scott Walters*  
SCOTT WALTERS  
FL PE# 62354

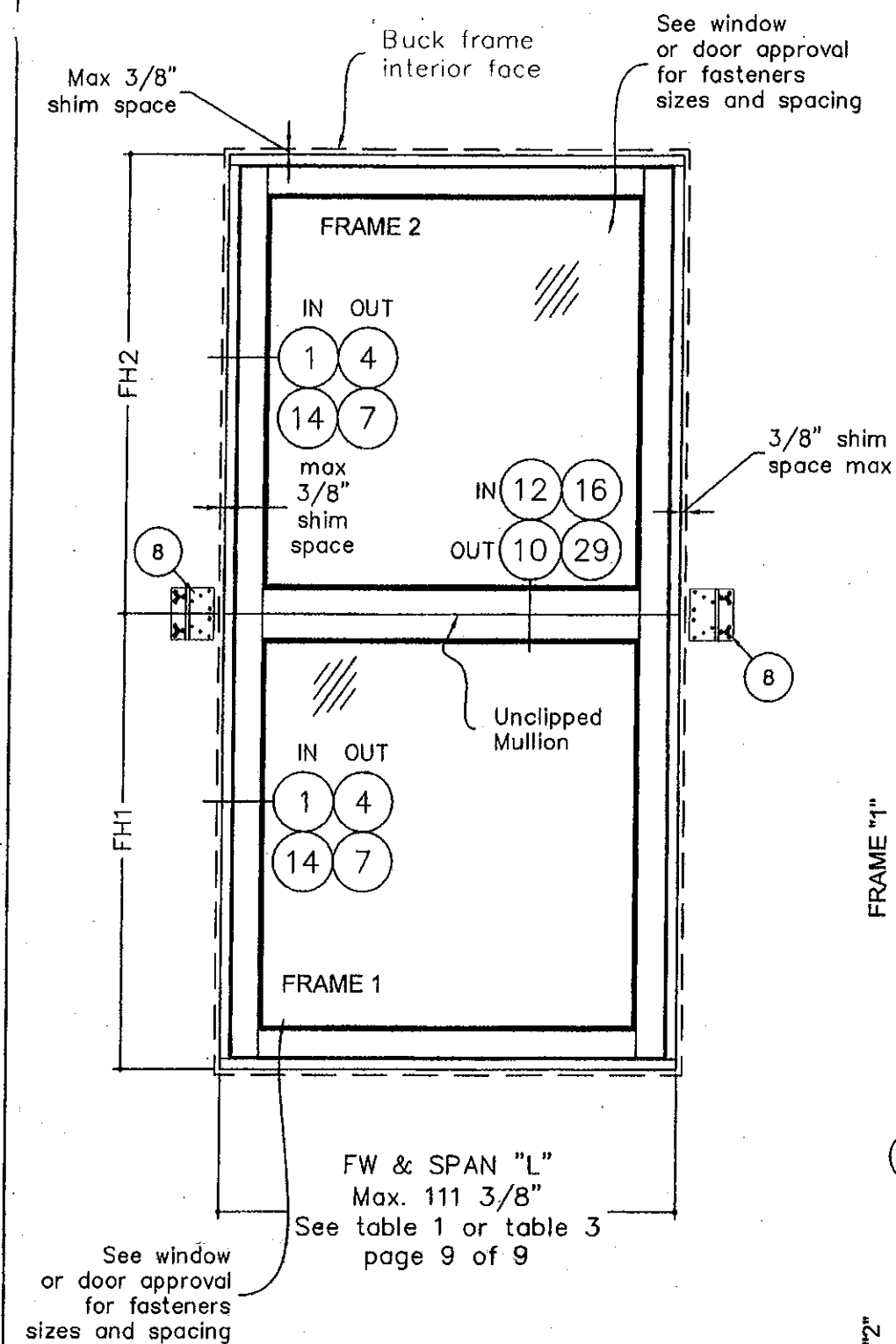
WALTERS ENGINEERING  
(COA# 27194)  
322 BUCHANAN #609  
HOLLYWOOD, FL 33019  
**NOV 30 2007**

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No **12-0222-08**  
Expiration Date **Dec 12, 2012**

By *Manuel Perez*  
Miami Dade Product Control

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No **07-1203-14**  
Expiration Date **12/19/2012**

By *Manuel Perez*  
Miami Dade Product Control  
Division

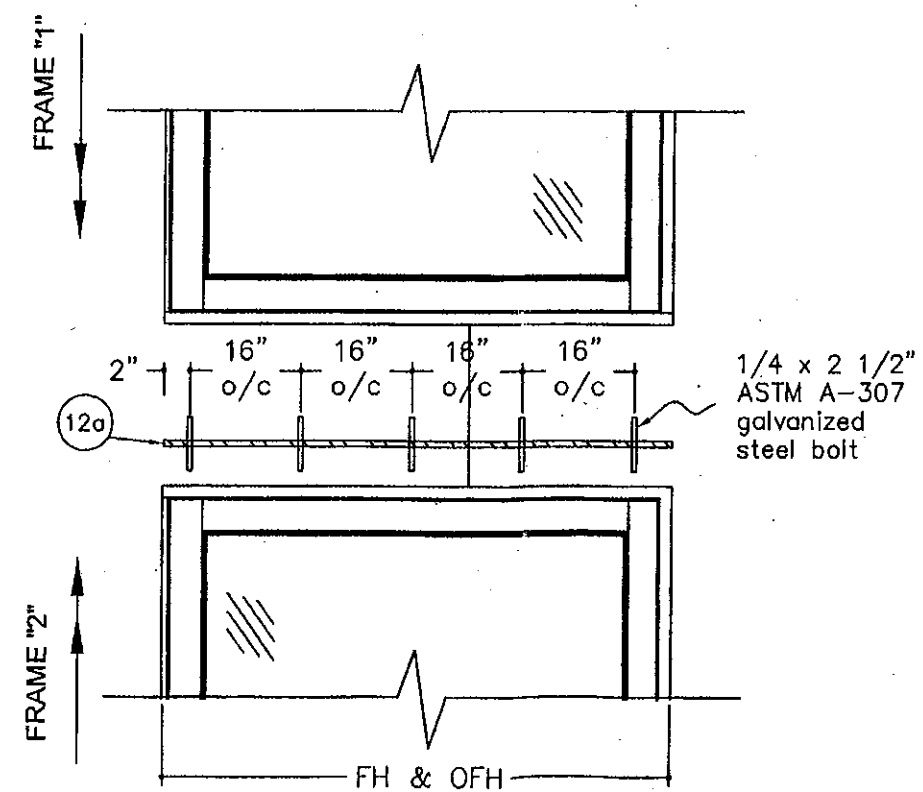


**DESIGN PRESSURE**  
 Positive Pressure: +58 psf  
 Negative Pressure -68 psf  
 NOTE: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.  
 NOTE: This unit will not need a hurricane protective system.

**UNCLIPPED MULLION  
 HORIZONTAL INSTALLATION  
 INSIDE/OUTSIDE  
 CONFIGURATION**

VIEWED FROM THE  
 OUTSIDE  
 WOOD: Mahogany

LEGEND:  
 FW: FRAME SIZE, WIDTH  
 FH: FRAME SIZE, HEIGHT



**BRACKET CONNECTIONS:**  
 Installation Bracket  
 PDF-JSMI-05D for inswing;  
 PDF-JSMO-05D for outswing

**CONNECTION TO THE  
 WINDOW/DOOR FRAME:**  
 AT JAMBS DETAILS NO 1, 14 & 4, 7;  
 Screwed to the WOOD FRAME using 6x #10 x 1" wood screws. Min. embedment is 7/8"; and 2x #12 x 1 3/4" FH wood screw. Min. embedment is 1 1/2".

**CONNECTION TO THE  
 STRUCTURE**  
 2x PT WOOD BUCK:  
 Screwed to the BUCK FRAME using 6x #12 x 1 1/2" wood screws. Min. embedment is 1 1/4".  
 1x PT WOOD BUCK:  
 Screwed to the MASONRY using 3 x 1/4"Ø x 2 1/4" SS410 Tapcon screws. Min. embedment is 1 1/4". Min. edge distance is 3".

MAXIMUM SHIM SPACE: 3/8"

THESE INSTALLATION PATTERNS APPLIES TO THE MULLION CONNECTIONS TO THE BUILDING ONLY

NOTE - THE 33% STRESS INCREASE FOR SHORT TERM LOADING HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.

**mq**  
 WINDOWS  
 OF EUROPE AND  
 THE AMERICAS  
 1855 GRIFFIN ROAD,  
 SUITE A-274  
 DANIA, FL 33004

**JS SERIE  
 UNCLIPPED MULLION  
 MIAMI DADE COUNTY**

Drawing no.: MQJS-NOA1

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 07/14/01
File: DJS-M9802	Page: 2 / 9

STRUCTURALLY REVIEWED BY:  
*Scott Wolters*  
 SCOTT WOLTERS  
 FL PE# 62354  
 WOLTERS ENGINEERING  
 (COA# 27194)  
 322 BUCHANAN #609  
 HOLLYWOOD, FL 33019  
 NOV 30 2007

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 12-0222-08  
 Expiration Date DEC 12 2012  
 By *Manuel Perez*  
 Miami Dade Product Control

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No 07-1203-14  
 Expiration Date 12/19/2012  
 By *Manuel Perez*  
 Miami Dade Product Control  
 Division



1855 GRIFFIN ROAD,  
SUITE A-274  
DANIA, FL 33004

JS SERIE  
UNCLIPPED MULLION  
MIAMI DADE COUNTY

Drawing no.: MQJS-NOA1

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 07/14/01
File: DJS-M9803	Page: 3 / 9

STRUCTURALLY REVIEWED BY:

*Scott Wolters*  
SCOTT WOLTERS  
FL PE# 62354

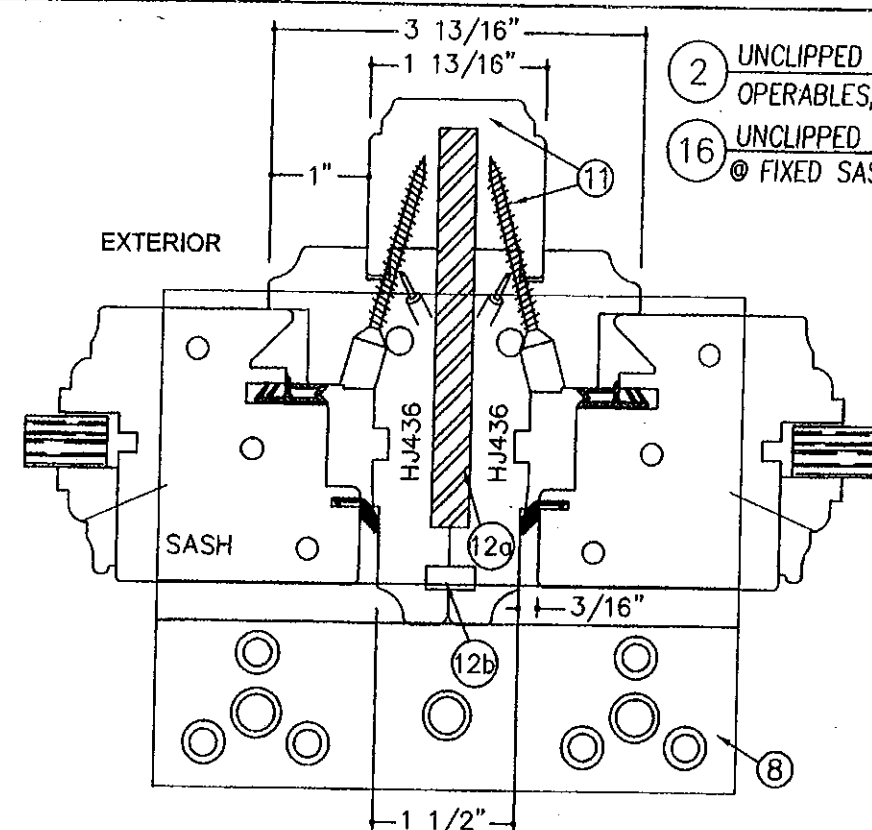
WOLTERS ENGINEERING  
(COA# 27194)  
322 BUCHANAN #609  
HOLLYWOOD, FL 33019  
NOV 30 2007

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0222.08  
Expiration Date DEC. 12, 2012

By *Maurice Pera*  
Miami Dade Product Control

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 07-1203.14  
Expiration Date 12/19/2012

By *Maurice Pera*  
Miami Dade Product Control  
Division

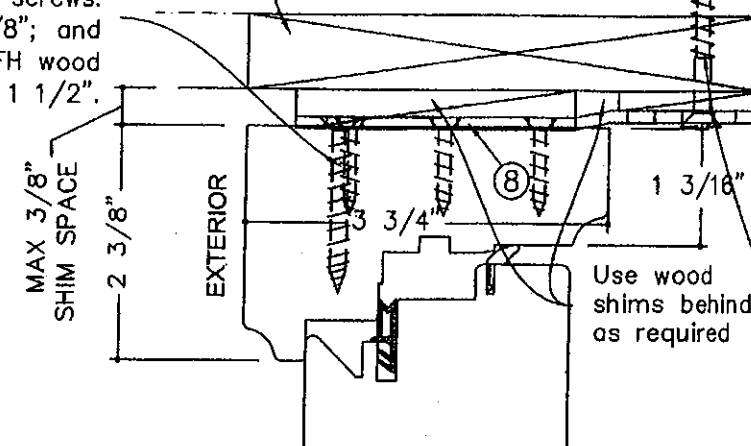


- 2 UNCLIPPED VERTICAL MULLION  
OPERABLES, OPEN IN  
16 UNCLIPPED VERTICAL MULLION  
@ FIXED SASH OPEN IN (SIM)

Mullion Bracket PDF-JSMI-05D.  
Screwed to the WOOD FRAME  
using 6x #10 x 1" wood screws.  
Min. embedment is 7/8"; and  
w/ 2x #12 x 1 3/4" FH wood  
screw. Min. embedment is 1 1/2".

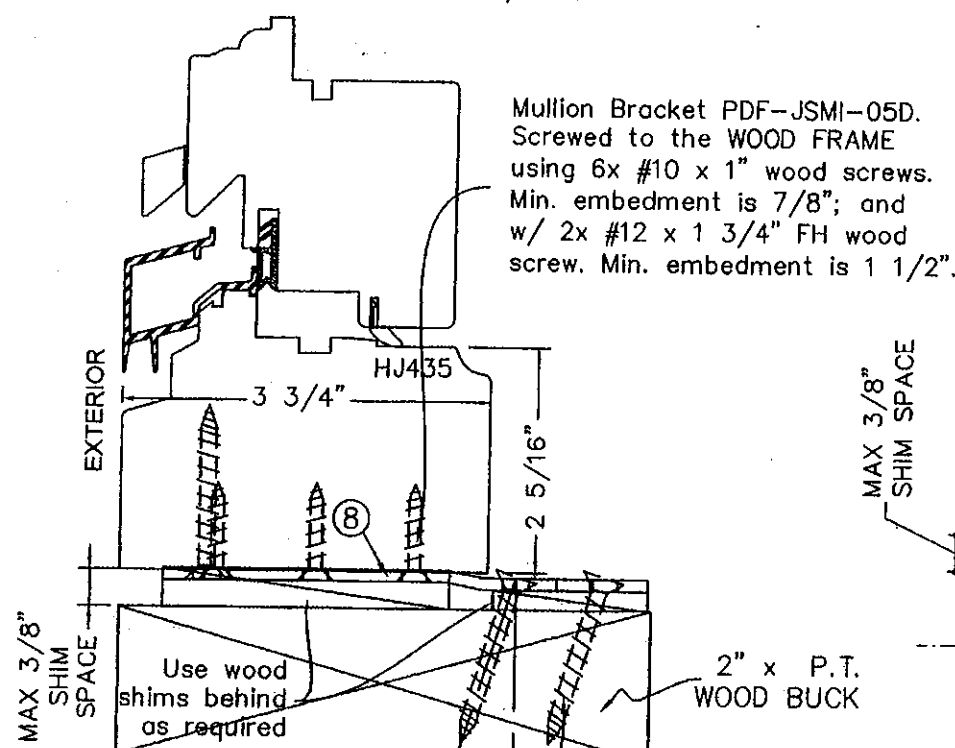
1" x P.T.  
CONTINUOUS  
WOOD BUCK

- 1 HEAD, FIXED, OPEN IN (SIM)  
14 HEAD, OPERABLE, OPEN IN  
1x PT WOOD SHIM



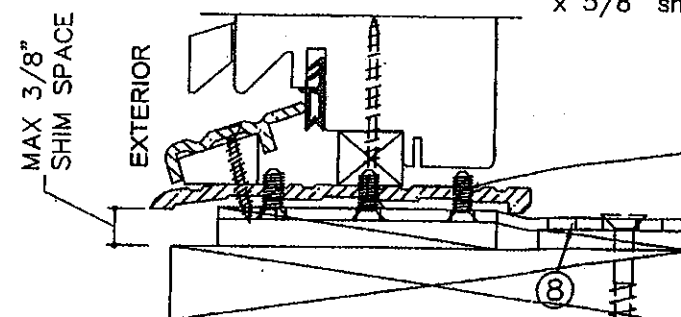
Mullion Bracket PDF-JSMI-05D.  
Screwed to the MASONRY using  
3 x 1/4" x 2 1/4" SS410  
stainless steel Tapcon screws.  
Min. embedment is 1 1/4".  
Min. edge distance is 3"

UNCLIPPED VERTICAL MULLION,  
OPEN IN CONFIGURATION

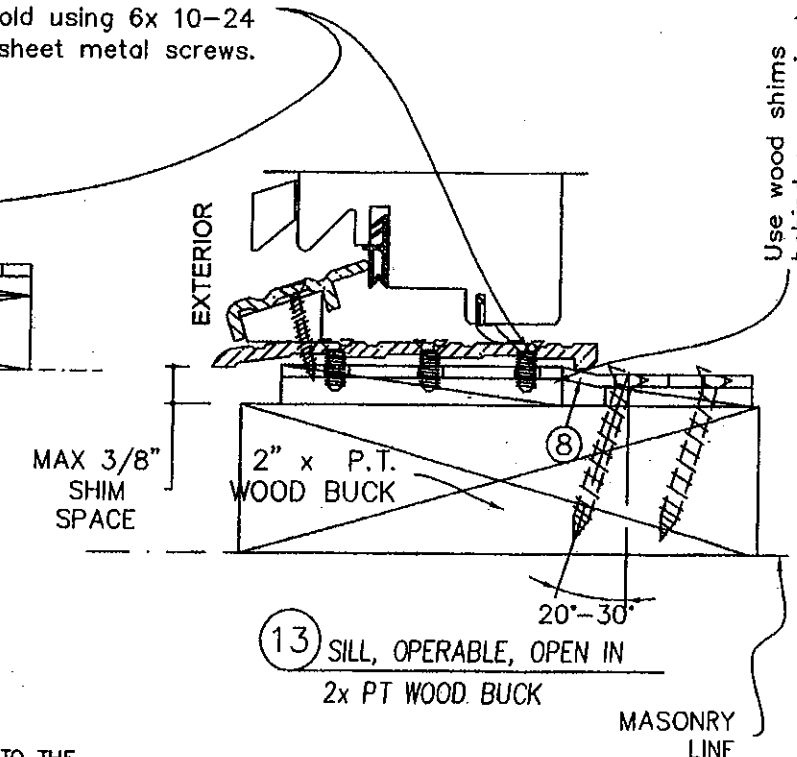


Mullion Bracket PDF-JSMI-05D.  
Screwed to the WOOD FRAME  
using 6x #10 x 1" wood screws.  
Min. embedment is 7/8"; and  
w/ 2x #12 x 1 3/4" FH wood  
screw. Min. embedment is 1 1/2".

Mullion Bracket PDF-JSMI-05D.  
Screwed to the aluminum or  
bronze threshold using 6x 10-24  
x 5/8" sheet metal screws.



21 SILL, FIXE, OPEN IN  
1x PT WOOD BUCK  
Mullion Bracket PDF-JSMI-05D.  
Screwed to the MASONRY using  
3 x 1/4" x 2 1/4" SS410  
stainless steel Tapcon screws.  
Min. embedment is 1 1/4".  
Min. edge distance is 3"



- 20 SILL, FIXE, OPEN IN  
15 SILL, OPERABLE, OPEN IN (SIM)  
2x PT WOOD BUCK

Mullion Bracket  
PDF-JSMI-05D.  
Screwed to the  
BUCK FRAME using  
6x #12 x 1 1/2"  
wood screws. Min.  
embedment is 1 1/4".

NOTE: Clear "Spectrem 2" silicone sealant at shown interfaces

# NUMBERS ARE REFERRING TO THE  
ASSEMBLY LISTS ON PAGES 7 TO 8



1855 GRIFFIN ROAD,  
SUITE A-274  
DANIA, FL 33004

JS SERIE  
UNCLIPPED MULLION  
MIAMI DADE COUNTY

Drawing no.: MQJS-NOA1

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 07/14/01
File: DJS-M9804	Page: 4 / 9

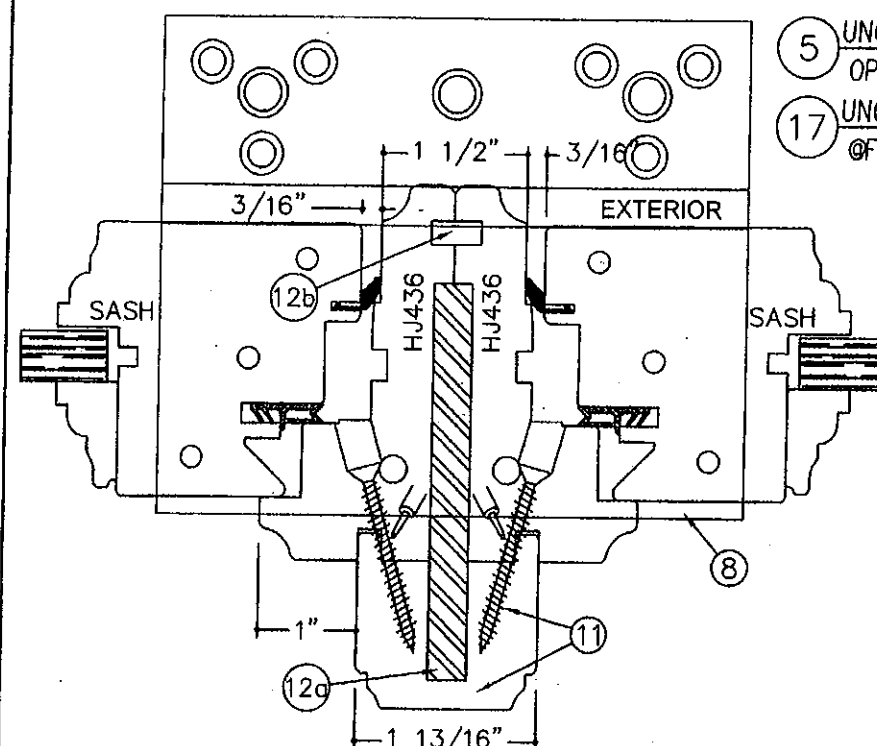
STRUCTURALLY REVIEWED BY:

*Scott Wolters*  
SCOTT WOLTERS  
FL PE# 62354

WOLTERS ENGINEERING  
(COA# 27194)  
322 BUCHANAN #609  
HOLLYWOOD, FL 33019  
NOV 30 2007

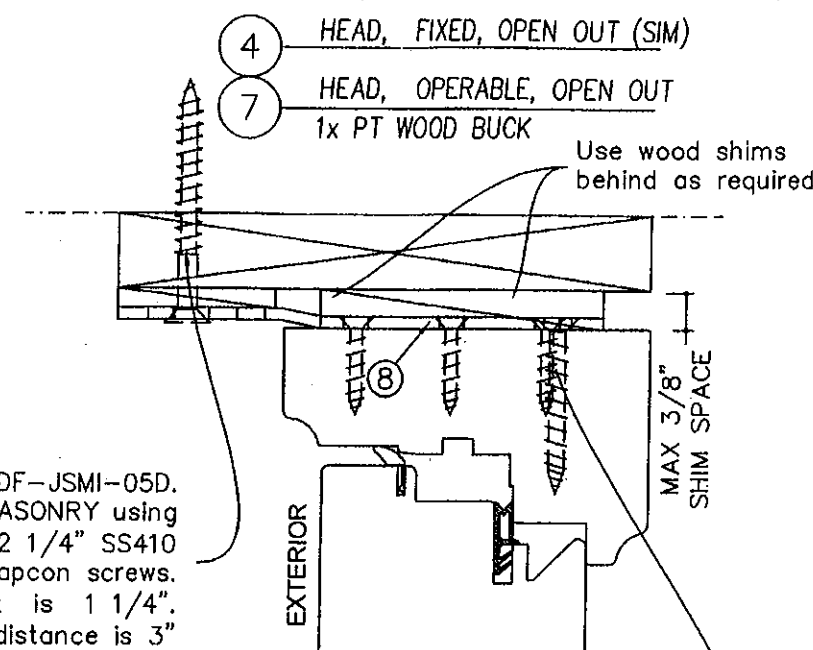
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0222-08  
Expiration Date DEC 12, 2012  
By *Manuel Perez*  
Miami Dade Product Control

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 07-1203-14  
Expiration Date 12/19/2012  
By *Manuel Perez*  
Miami Dade Product Control  
Division



- 5 UNCLIPPED VERTICAL MULLION  
OPERABLES, OPEN OUT  
17 UNCLIPPED VERTICAL MULLION  
@FIXED (SIM), OPEN OUT

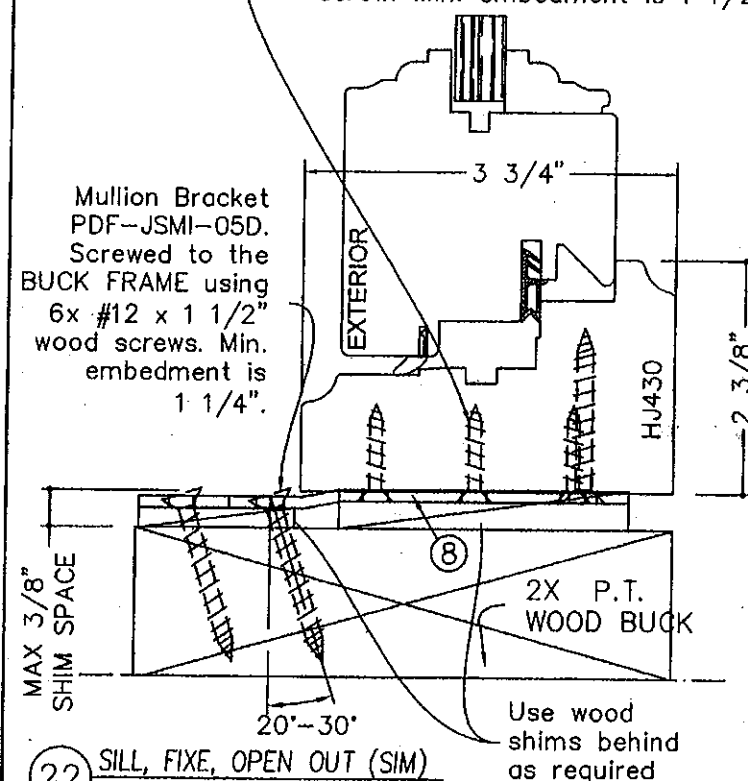
Mullion Bracket PDF-JSMI-05D.  
Screwed to the MASONRY using  
3 x 1/4" x 2 1/4" SS410  
stainless steel Tapcon screws.  
Min. embedment is 1 1/4".  
Min. edge distance is 3"



Mullion Bracket PDF-JSMI-05D.  
Screwed to the WOOD FRAME  
using 6x #10 x 1" wood screws.  
Min. embedment is 7/8"; and  
w/ 2x #12 x 1 3/4" FH wood  
screw. Min. embedment is 1 1/2".

UNCLIPPED VERTICAL MULLION,  
OPEN OUT CONFIGURATION

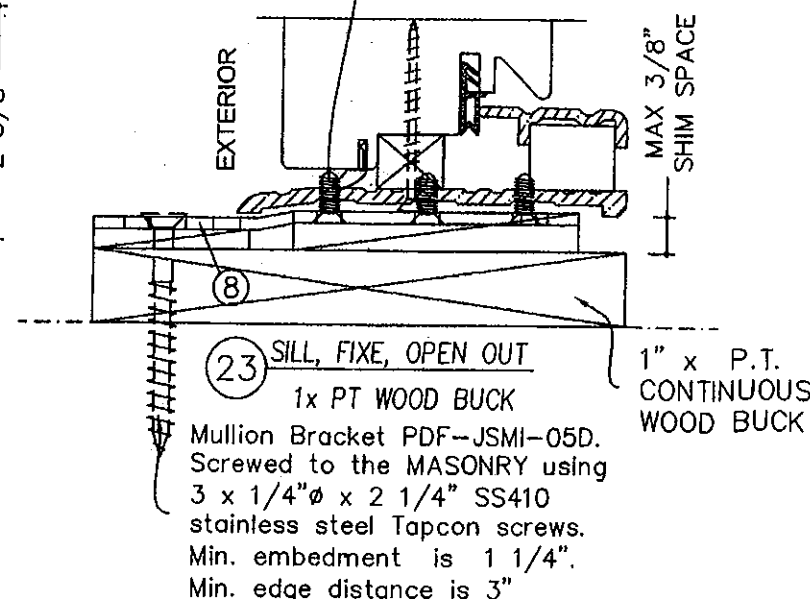
Mullion Bracket PDF-JSMI-05D.  
Screwed to the WOOD FRAME  
using 6x #10 x 1" wood screws.  
Min. embedment is 7/8"; and  
w/ 2x #12 x 1 3/4" FH wood  
screw. Min. embedment is 1 1/2".



- 22 SILL, FIXE, OPEN OUT (SIM)  
9 SILL, OPERABLE, OPEN OUT  
2x PT WOOD BUCK

NOTE: Clear "Spectrem 2" silicone sealant at shown interfaces

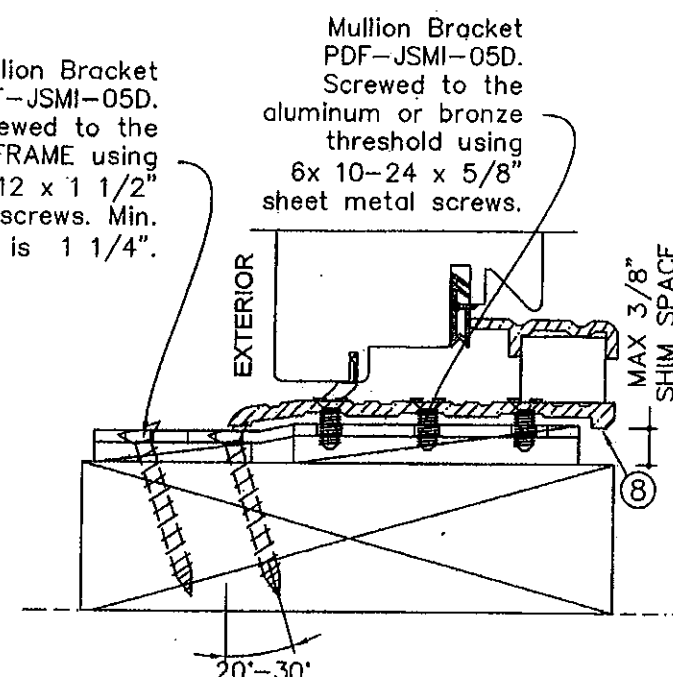
Mullion Bracket  
PDF-JSMI-05D.  
Screwed to the  
aluminum or bronze  
threshold using  
6x 10-24 x 5/8"  
sheet metal screws.



- 23 SILL, FIXE, OPEN OUT  
1x PT WOOD BUCK

Mullion Bracket PDF-JSMI-05D.  
Screwed to the MASONRY using  
3 x 1/4" x 2 1/4" SS410  
stainless steel Tapcon screws.  
Min. embedment is 1 1/4".  
Min. edge distance is 3"

Mullion Bracket  
PDF-JSMI-05D.  
Screwed to the  
BUCK FRAME using  
6x #12 x 1 1/2"  
wood screws. Min.  
embedment is 1 1/4".



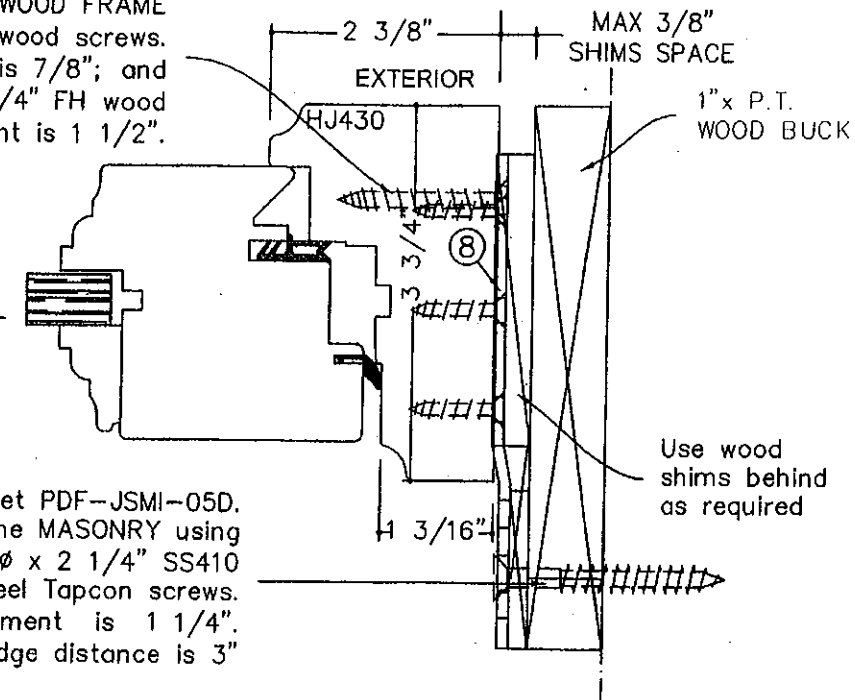
- 11 SILL, OPERABLE, OPEN OUT  
2x PT WOOD BUCK

# NUMBERS ARE REFERRING TO THE  
ASSEMBLY LISTS ON PAGES 7 TO 8

# UNCLIPPED HORIZONTAL MULLION, OPEN IN CONFIGURATION

Mullion Bracket PDF-JSMI-05D.  
Screwed to the WOOD FRAME  
using 6x #10 x 1" wood screws.  
Min. embedment is 7/8"; and  
w/ 2x #12 x 1 3/4" FH wood  
screw. Min. embedment is 1 1/2".

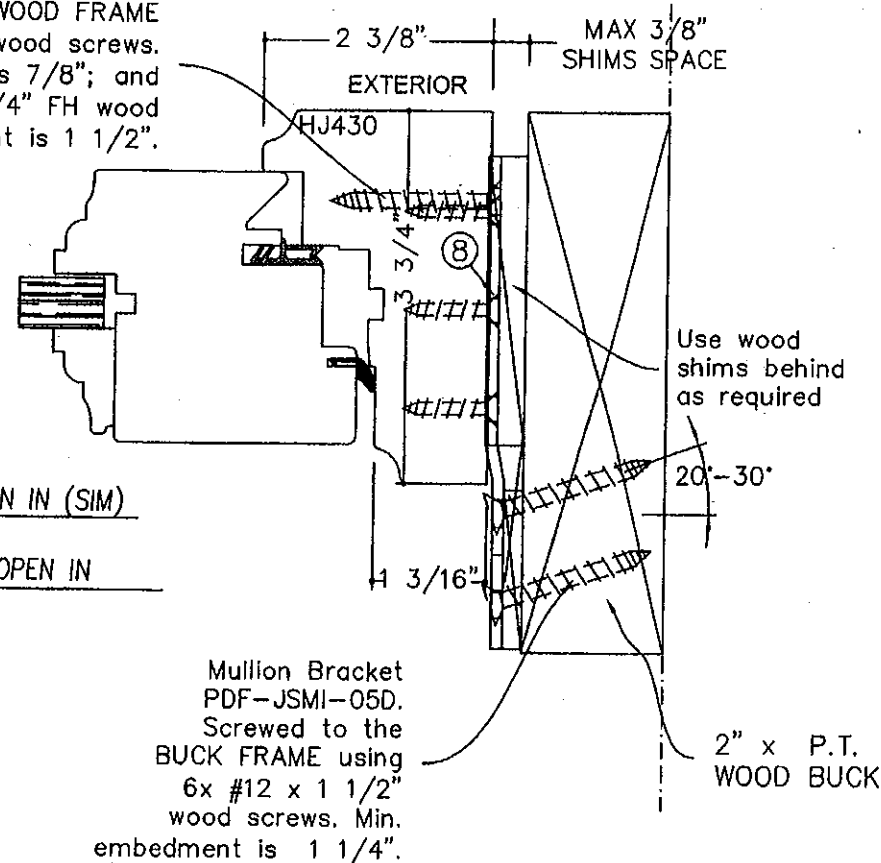
- ① JAMB, FIXED, OPEN IN (SIM)
- ⑭ JAMB, OPERABLE, OPEN IN  
1x PT CONTINUOUS WOOD BUCK



Mullion Bracket PDF-JSMI-05D.  
Screwed to the MASONRY using  
3 x 1/4"Ø x 2 1/4" SS410  
stainless steel Tapcon screws.  
Min. embedment is 1 1/4".  
Min. edge distance is 3"

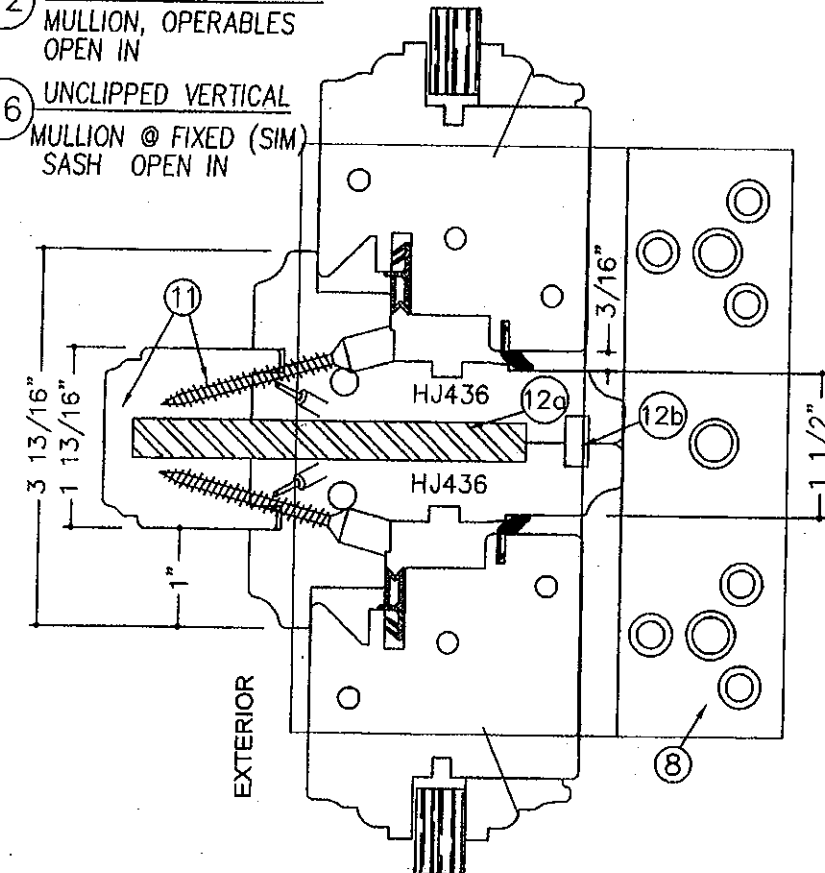
Mullion Bracket PDF-JSMI-05D.  
Screwed to the WOOD FRAME  
using 6x #10 x 1" wood screws.  
Min. embedment is 7/8"; and  
w/ 2x #12 x 1 3/4" FH wood  
screw. Min. embedment is 1 1/2".

- ① JAMB, FIXED, OPEN IN (SIM)
- ⑭ JAMB, OPERABLE, OPEN IN  
2x PT WOOD BUCK



Mullion Bracket  
PDF-JSMI-05D.  
Screwed to the  
BUCK FRAME using  
6x #12 x 1 1/2"  
wood screws. Min.  
embedment is 1 1/4".

- ⑫ UNCLIPPED HORIZONTAL  
MULLION, OPERABLES  
OPEN IN
- ⑯ UNCLIPPED VERTICAL  
MULLION @ FIXED (SIM)  
SASH OPEN IN



⑧ NUMBERS ARE REFERRING TO THE  
ASSEMBLY LISTS ON PAGES 7 TO 8

NOTE: Clear "Spectrem 2" silicone sealant at shown interfaces

## JS SERIE UNCLIPPED MULLION MIAMI DADE COUNTY

Drawing no.: MQJS-NOA1

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 07/14/01
File: DJS-M9805	Page: 5 / 9

STRUCTURALLY REVIEWED BY:

*Scott Wolters*  
SCOTT WOLTERS  
FL PE# 62354

WOLTERS ENGINEERING  
(COA# 27194)  
322 BUCHANAN #609  
HOLLYWOOD, FL 33019  
NOV 30 2007

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0222-08  
Expiration Date DEC 12, 2012  
By *Manuel Perez*  
Miami Dade Product Control

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 07-1203-14  
Expiration Date 12/19/2012  
By *Manuel Perez*  
Miami Dade Product Control  
Division



# UNCLIPPED HORIZONTAL MULLION, OPEN OUT CONFIGURATION

## JS SERIE UNCLIPPED MULLION MIAMI DADE COUNTY

Drawing no.: MQJS-NOA1

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/99 Date revised: 07/14/01

File: DJS-M9806 Page: 6 / 9

STRUCTURALLY REVIEWED BY:

*Scott Wolters*  
SCOTT WOLTERS  
FL PE# 62354

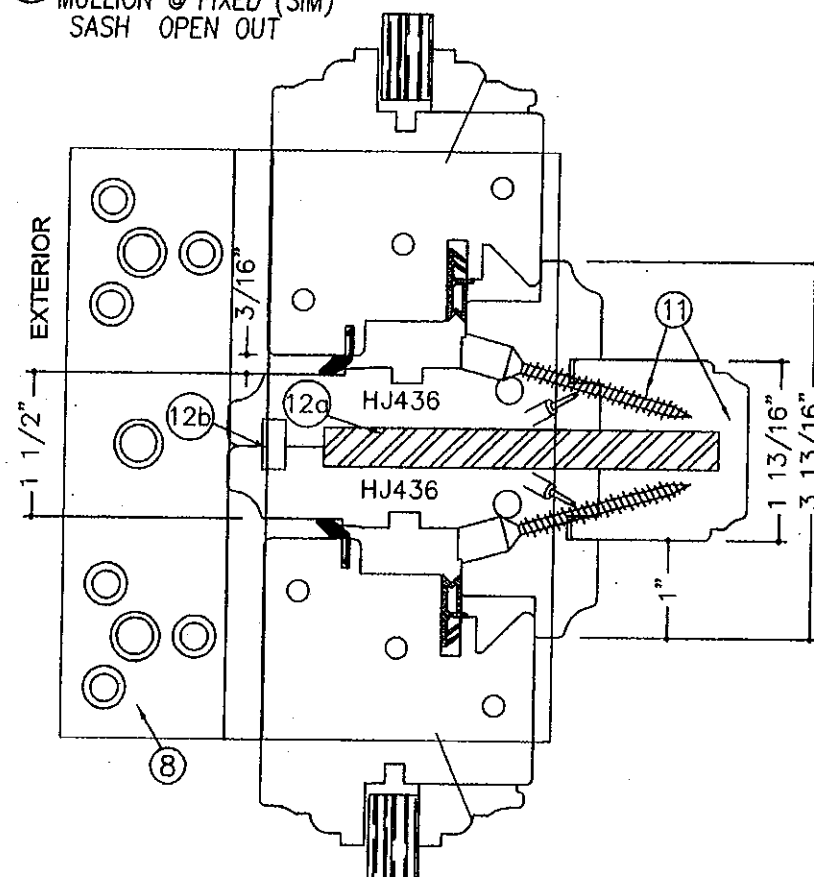
WOLTERS ENGINEERING  
(COA# 27194)  
322 BUCHANAN #609  
HOLLYWOOD, FL 33019  
NOV 30 2007

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0222.08  
Expiration Date DEC 12 2012

By *Manuel Perez*  
Miami Dade Product Control

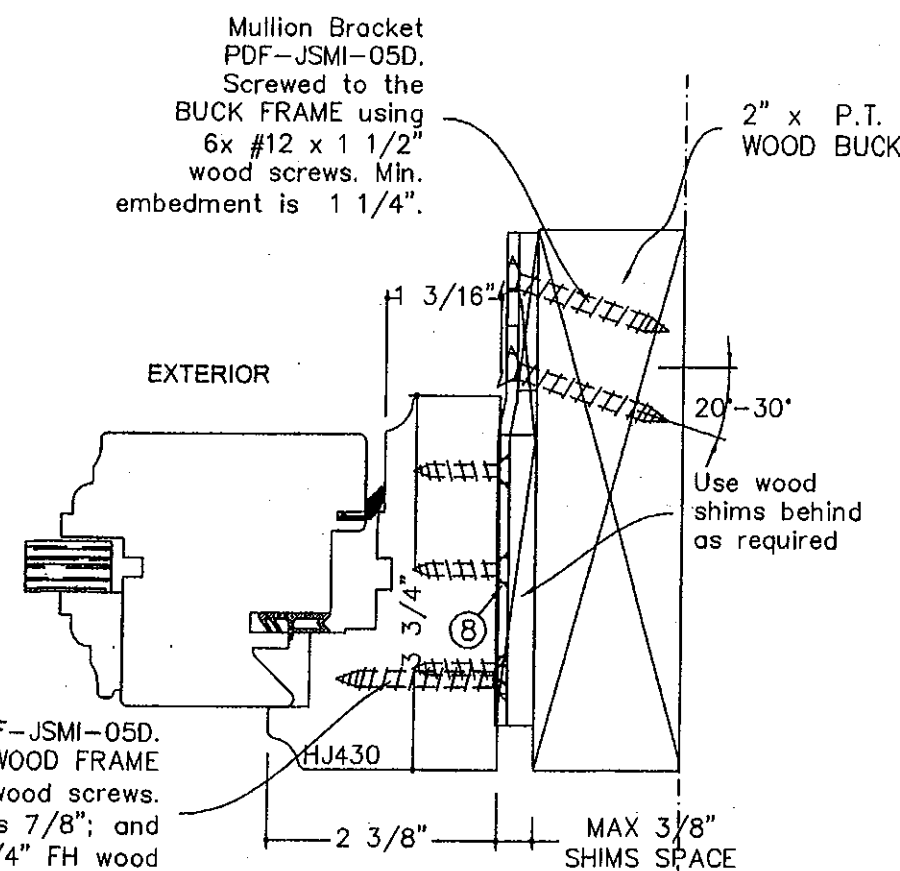
PRODUCT RENEWED  
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Acceptance No. 07-1203.14  
Expiration Date 12/19/2012  
By *Manuel Perez*  
Miami Dade Product Control  
Division

- 10 UNCLIPPED HORIZONTAL  
MULLION, OPERABLES  
OPEN OUT
- 29 UNCLIPPED VERTICAL  
MULLION @ FIXED (SIM)  
SASH OPEN OUT



- 4 JAMB, FIXED, OPEN OUT (SIM)
- 7 JAMB, OPERABLE, OPEN OUT  
1x PT CONTINUOUS WOOD BUCK

Mullion Bracket PDF-JSMI-05D.  
Screwed to the WOOD FRAME  
using 6x #10 x 1\" wood screws.  
Min. embedment is 7/8\"; and  
w/ 2x #12 x 1 3/4\" FH wood  
screw. Min. embedment is 1 1/2\".

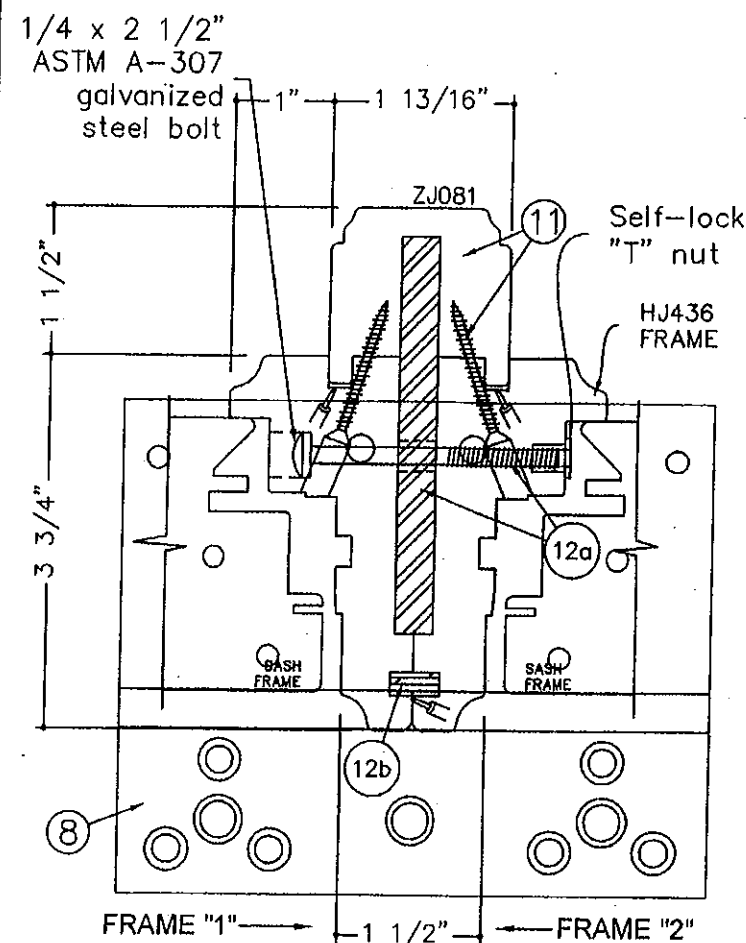


- 4 JAMB, FIXED, OPEN OUT (SIM)
- 7 JAMB, OPERABLE, OPEN OUT  
2x PT WOOD BUCK

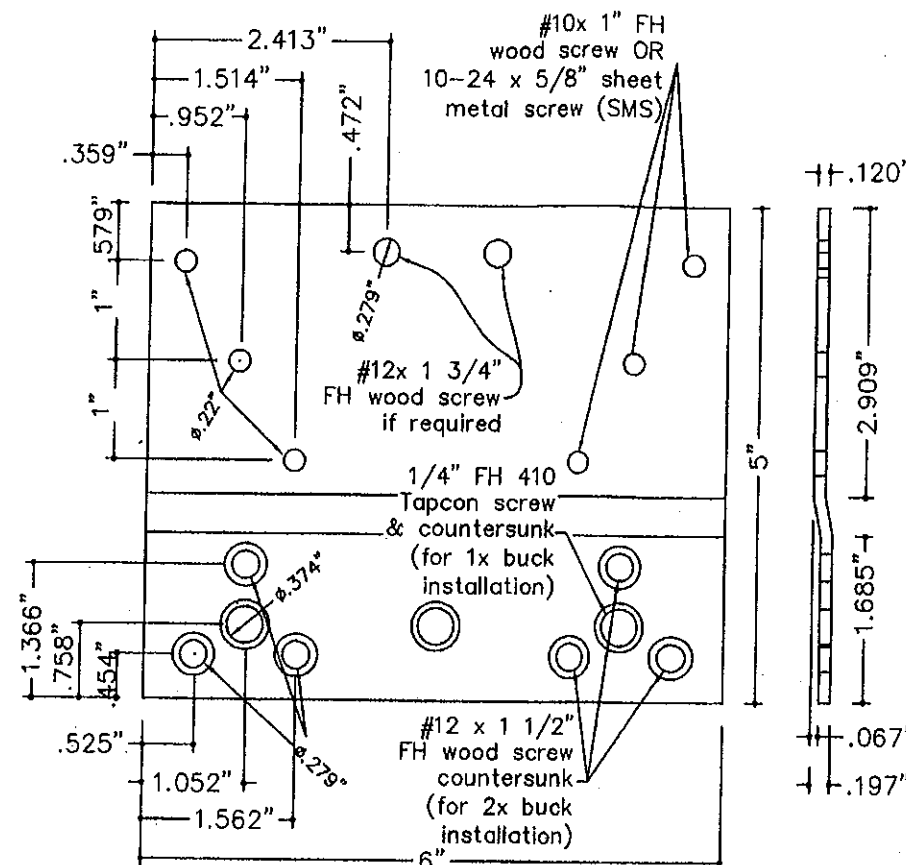
Mullion Bracket PDF-JSMI-05D.  
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# NUMBERS ARE REFERRING TO THE  
ASSEMBLY LISTS ON PAGES 7 TO 8

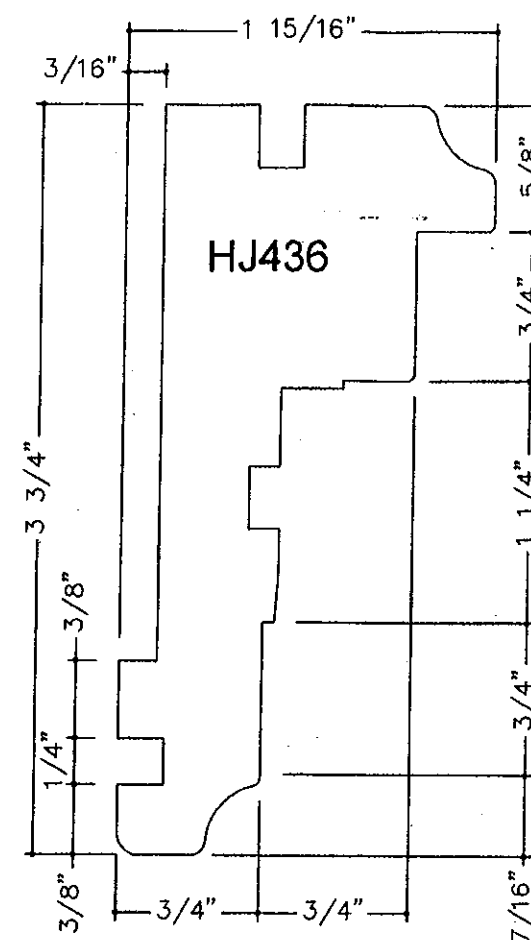
NOTE: Clear "Spectrem 2" silicone sealant at shown interfaces



UNCLIPPED  
MULLION ASSEMBLY  
(scale 1 = 2)



PDF-JSMI-05D  
MULLION BRACKET  
(scale 1 = 2)  
Note: galvanized steel or stainless steel



(scale 1 = 1)

# BILL OF MATERIALS

REF.	QTY	Component	DESCRIPTION	MATERIAL	DIMENSIONS	MEAN OF ATTACHMENT	LOCATION
⑧	One per end	Instal- lation	PDF-JSMI-05D Mullion bracket	Galv. Steel	6"w x 5"h x 0.120"t	See cross sections	Centered at the center line of mullion assembly
⑪	1 per unclipped mullion	Mullion cap	ZJ081 wood mouding, used to hide the steel reinforcement	Maho- gany	1 1/2"(d) x 1 13/16"(t)	2 x #8 x 1 3/4" wood flat head screws @16" o/c. Embedment is 1".	Along the entire length of the unclipped horizontal or vertical mullion.
12a	1 per unclipped mullion	Reinfor- cement	A11299, Galvanized Steel AISI C1020, Cold drawn, yield point 47,000 psi	Galv. Steel	1/2"(t) x 4"(d)	1/4" x 2 1/2" ASTM A-307 galvanized steel bolt, @ 2" from one end of the steel and @ 16" o/c balance.	Along the entire length of the unclipped horizontal or vertical mullion. Bolted through a "T" self lock nut.
12b	1 per mullion	Alignment plate	Plywood shim	Wood	1/4"(t) x 15/32"(w)	N/A (tight fit)	Along the entire length of the unclipped horizontal or vertical mullion

Clear "Spectrem 2" silicone sealant at shown interfaces

## JS SERIE UNCLIPPED MULLION MIAMI DADE COUNTY

Drawing no.: MQJS-NOA1

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised: 07/14/01
File: DJS-M9807	Page: 7 / 9

### STRUCTURALLY REVIEWED BY:

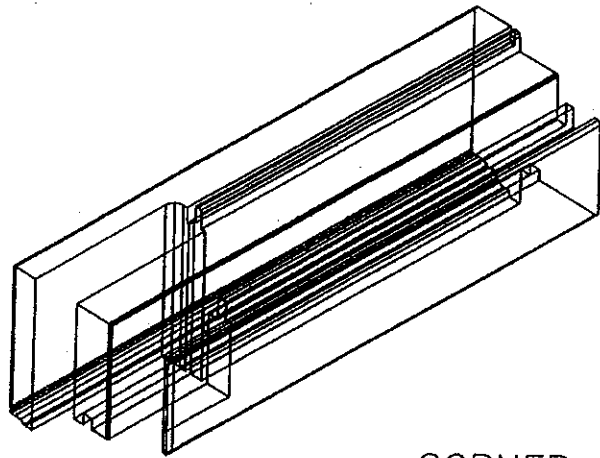
*Scott Wolters*  
SCOTT WOLTERS  
FL PE# 62354

WOLTERS ENGINEERING  
(COA# 27194)  
322 BUCHANAN #609  
HOLLYWOOD, FL 33019  
NOV 30 2007

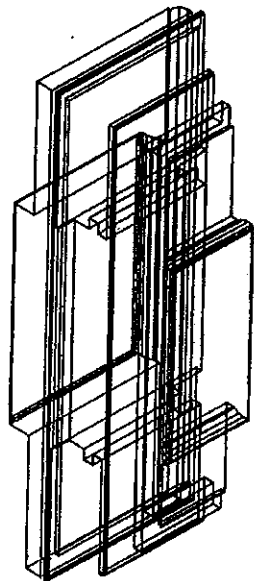
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Miami Dade Product Control  
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TYPE OF GLUE:  
RESIBOIS 222 no 30222-01 TYPE 1  
EXTERIOR GLUE FOR WOOD

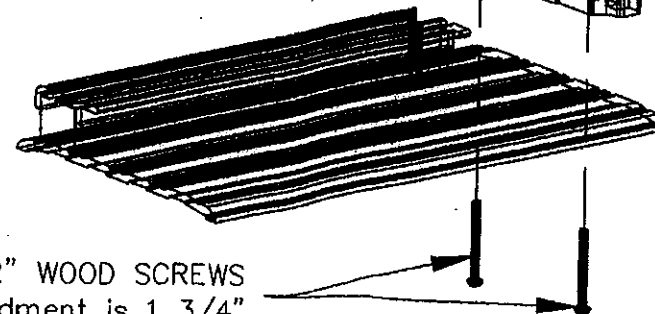


CORNER  
ASSEMBLY  
(MULTI-FORK)

FRAME JAMB  
HJ-436



ALUMINUM FLAT  
SILL ASSEMBLY



#12 x 2" WOOD SCREWS  
Embedment is 1 3/4"



1855 GRIFFIN ROAD, SUITE A-274  
DANIA, FL 33004

**JS SERIE  
IN SWING & OUTSWING  
CONFIGURATIONS  
UNCLIPPED MULLION**

METRO DADE COUNTY  
PROPOSAL # 98-0073  
PA201, PA202 & PA203

Drawing no.: MQJS-NOA1

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 01/10/99	Date revised:
File: DJS-M9808	Page: 8/9

ENGINEER:

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Division

# MAXIMUM FRAME WIDTH & HEIGHT TABLES FOR A GIVEN MULLION SPAN (HORIZONTAL OR VERTICAL)

TABLE 1  
VERTICAL OR HORIZONTAL  
UNCLIPPED MULLION,  
FIXED-FIXED COMBINATION

Span "L" (in)	Max. Fixed width (1) Fw1 (in)	Max. Fixed width (2) Fw2 (in)
111 3/8	45 3/16	45 3/16
108 3/16	46	46
102 7/16	47	47
97 13/16	48	48
93 15/16	49	49
90 11/16	50	50
88	51	51
85 11/16	52	52
83 11/16	53	53
82	54	54
80 9/16	55	55
79 1/4	56	56
75 11/16	60	60
73 5/7	64	64
72 3/4	68	68
72 1/2	70	70
72 7/16	72	72

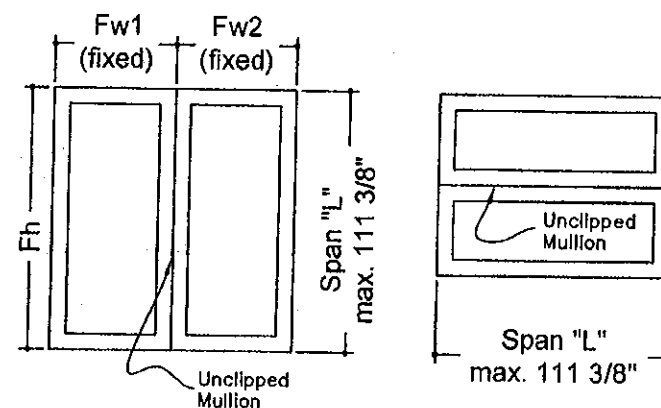


TABLE 2  
VERTICAL  
UNCLIPPED MULLION,  
FIXED-OPERABLE  
COMBINATION

Vertical Span "L" (in)	Max. Fixed width Fw1 (in)	Max. Operable width Fw2 (in)
0- 111 3/8	42	76 3/4
0- 108 1/8	46	76 3/4
0- 102 1/2	47	76 3/4
0- 97 3/4	48	76 3/4
0- 93 7/8	49	76 3/4
0- 90 3/4	50	76 3/4
0- 88	51	76 3/4
0- 85 5/8	52	76 3/4
0- 83 3/4	53	76 3/4
0- 82	54	76 3/4
0- 80 1/2	55	76 3/4
0- 79 1/4	56	76 3/4
0- 75 3/4	60	76 3/4
0- 73 3/4	64	76 3/4
0- 72 3/4	68	76 3/4
0- 72 1/2	70	76 3/4
0- 72 1/2	72	76 3/4

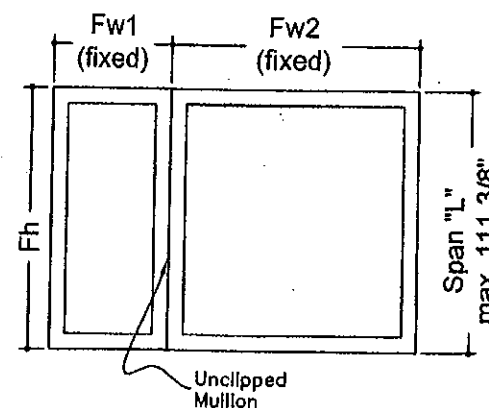
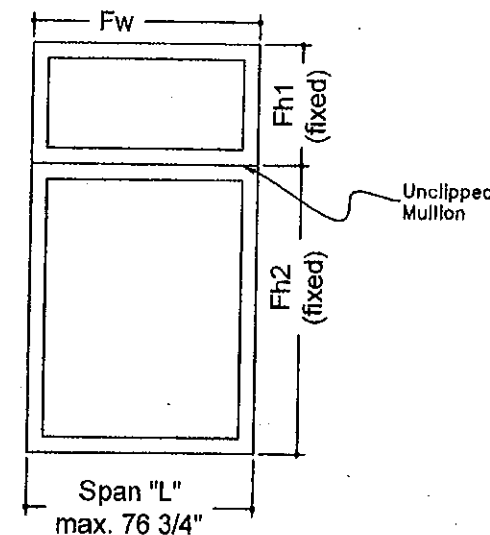


TABLE 3  
HORIZONTAL  
UNCLIPPED MULLION,  
FIXED-OPERABLE  
COMBINATION

Horizontal Span "L" (in)	Max. Fixed height Fh1 (in)	Max. Operable height Fh2 (in)
76 3/4	58	111 3/8
75 11/16	60	111 3/8
73 3/4	64	111 3/8
72 3/4	68	111 3/8
72 1/2	70	111 3/8
72 7/16	72	111 3/8



## DESIGN PRESSURE

Positive Pressure: +58 psf  
Negative Pressure: -68 psf

NOTE: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.

NOTE: This unit will not need a hurricane protective system.

## LEGEND:

Fw: FRAME SIZE, WIDTH  
Fh: FRAME SIZE, HEIGHT



JS SERIE  
UNCLIPPED MULLION  
MIAMI DADE COUNTY

Drawing no.: MQJS-NOA1

Scale: NONE Drawn by: S. Marcotte

Date drawn: 01/10/99 Date revised: 07/14/01

File: DJS-M9809 Page: 9/9

STRUCTURALLY REVIEWED BY:

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By *Maurice Serr*  
Miami Dade Product Control

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By *Maurice Serr*  
Miami Dade Product Control  
Division